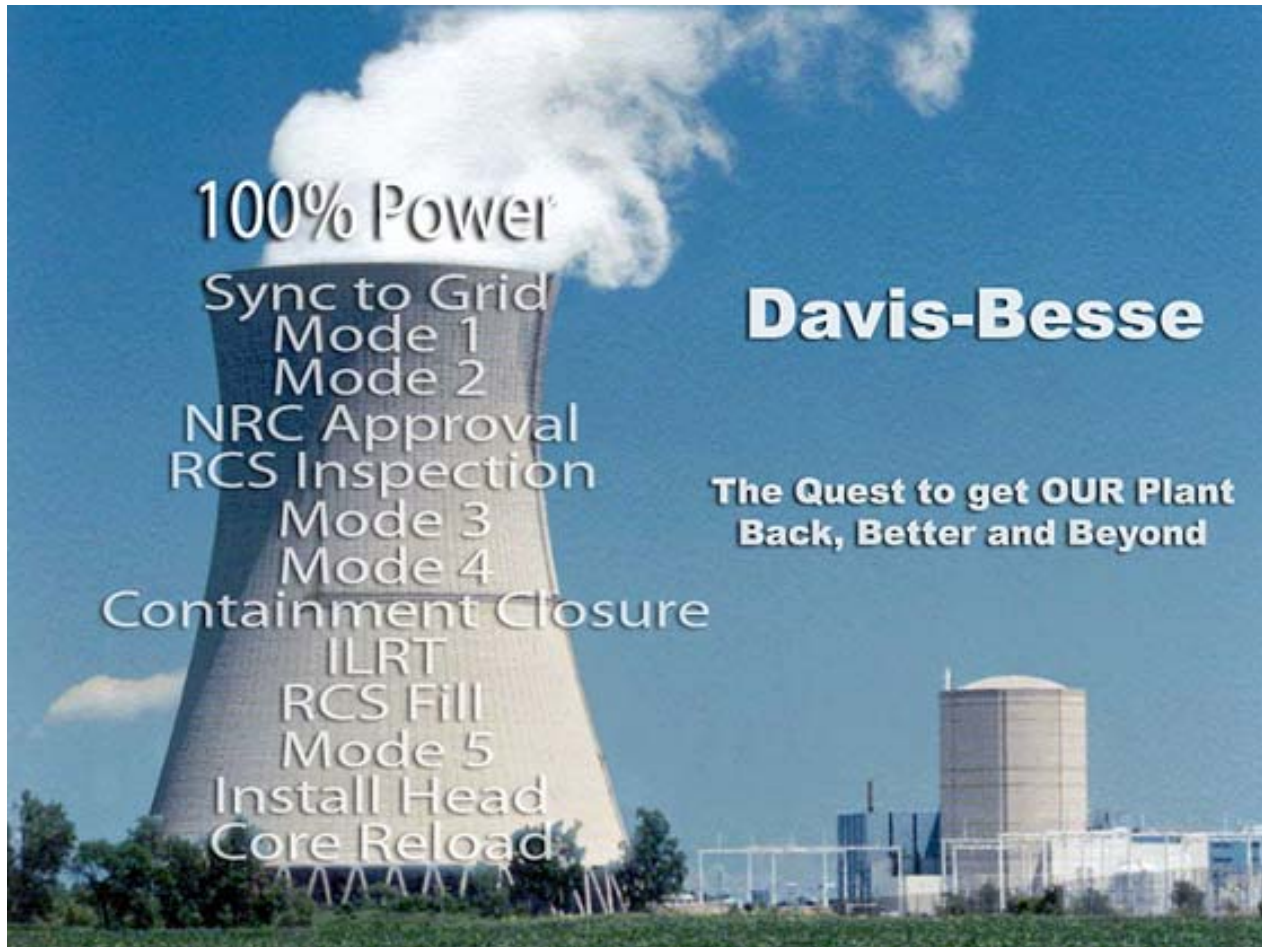


Davis-Besse Nuclear Power Station



IMC 0350 Meeting

Desired Outcomes

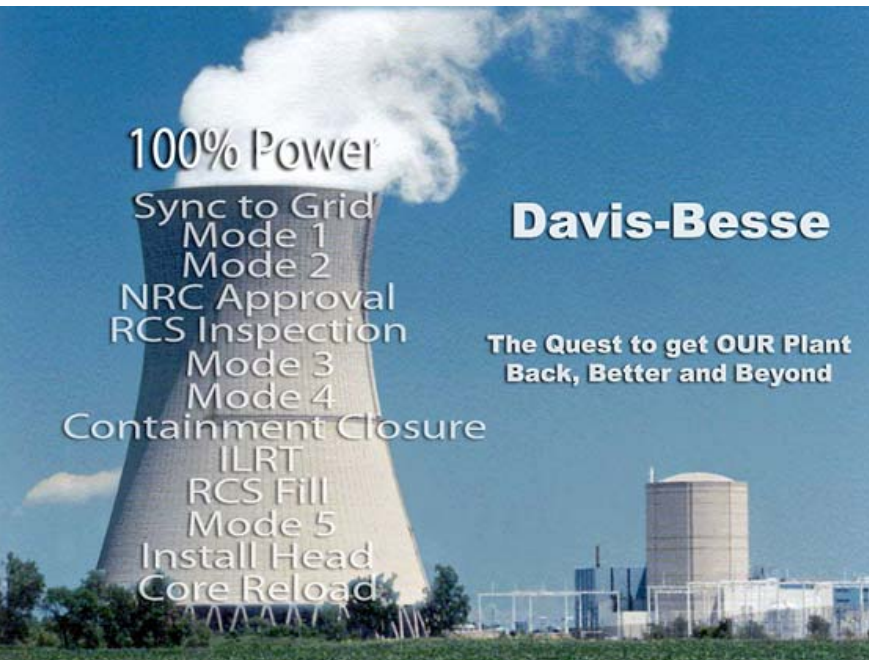
- Demonstrate that the steps taken to return Davis-Besse to service have been safe and conservative
- Provide a timeline of startup activities since the last public meeting
- Provide status on the Cycle 14 Operational Improvement Plan, post-restart actions, and Confirmatory Order

Lew Myers
Chief Operating Officer - FENOC

Back, Better, and Beyond

•Milestones

- March 8 - NRC Restart Authorization
- March 9 - Mode 3
- March 11 - Reactor critical (Mode 2)
- March 14 - Mode 1
- March 16 - Synchronized to Grid
- March 17 - Mode 3
- March 23 - Repaired Feedwater Valve 780
- March 24 - Mode 3
- March 26 - Mode 2 / Mode
- March 27- Final synchronization to grid
(end of outage)
- April 4 -100% power



Back, Better, and Beyond

- Return to Service

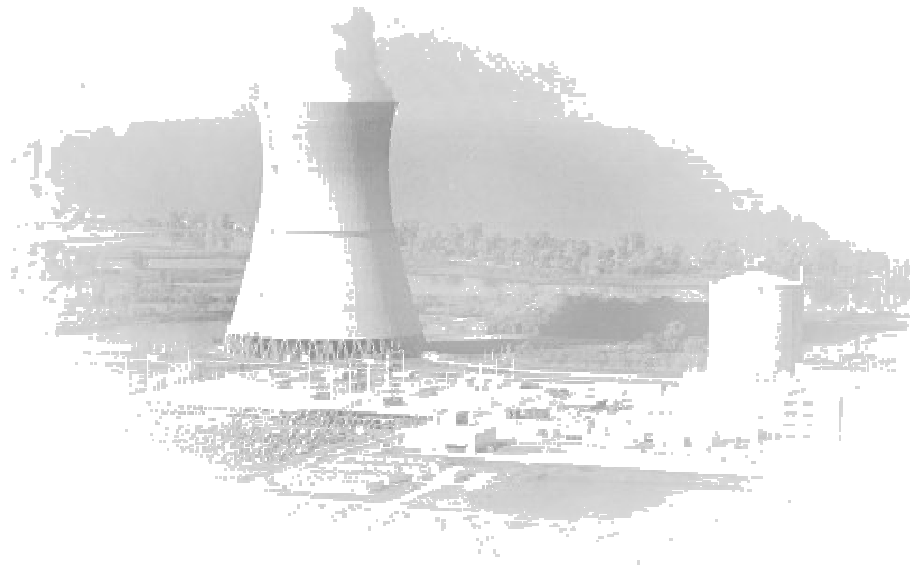
- Plant materiel condition
- Reactor Coolant System leakrate
- RCS activity
- Primary/Secondary Chemistry
- Operations Performance
- Employees

A dark blue rectangular box containing the text "FENOC Vision:" in bold white font, followed by the vision statement in a white italicized font.

FENOC Vision:

People with a strong safety focus delivering top fleet operating performance.

Plant Performance



Mark Bezilla
Vice President

Week of February 8



#1 Startup Transformer



•Accomplishments

- Successfully completed control rod insertion time testing (Group 1-7)
- February 12 - Request for Restart
- NRC Emergency Plan Inspection
- Plant in Mode 3

•Challenges

- Restoration of Startup Transformer

Week of February 15



**Assembly of Containment
Spray Pump**

•Accomplishments

- #1 Containment Spray Pump maintenance
- Mode 2 Readiness Reviews
- #1 Decay Heat Pump Quarterly Test
- #1 Auxiliary Feedwater (AFW) Functional Test
- Plant in Mode 3

•Challenges

- Radiation Monitor RE-4597AA (new boards)

Week of February 22



**FirstEnergy's CEO Tony Alexander
tours Davis-Besse February 26**

•Accomplishments

- Purged air and added hydrogen to Main Generator
- AFW #1 Monthly Test
- Received NRC Approval of License Amendment Request for Mid-cycle Steam Generator Inspection
- Emergency Diesel Generator #1 Monthly Test
- Steam and Feedwater Rupture Control System and Reactor Protection System Testing
- Received NRC Draft Order for Conditions of Restart
- Emergency Preparedness Media Tour

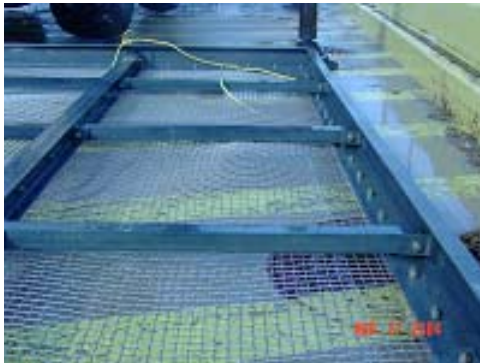
•Challenges

- No challenges of note

Week of February 29



Circulating Water intake screens



•Accomplishments

- Reduction of vibration on CRDM motor generator set
- Mode 2/1 restraints resolved
- Closed containment and conducted personnel airlock leakage surveillance
- Cleaned Circulating Water intake screens

•Challenges

- Reactor Coolant Pump 1-2 (low motor bearing oil level)
- Circulating Water pump suction screen (repairs)

Week of March 7



Operators withdraw control rods

•Accomplishments

- March 8 - NRC resolved the issues and removed restrictions for restart
- Final Restart Readiness Review for Mode 2
- March 11 - entered Mode 2 (reactor critical)
- Zero power physics testing (ZPPT)
- Conducted senior leadership team (SLT) review of ZPPT

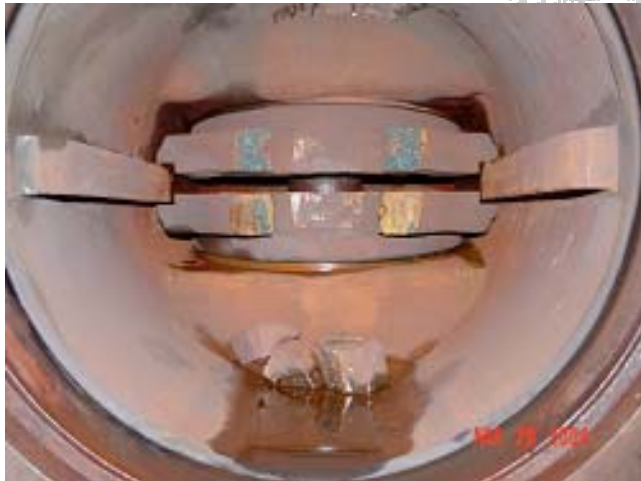
•Challenges

- Operations concern ~ "estimated critical boron" concentration
 - Operating crew reinserted control rods

Week of March 14



Feedwater Valve 780



•Accomplishments

- March 14 - Mode 1
- Power increased to ~14%
- Effectiveness assessment and readiness review prior to generator synchronization
- March 16 - Synchronized Turbine to Grid (~20% Power)
- March 17 - Completed Overspeed Turbine Trip Testing

•Challenges

- Feedwater Valve 780 (disk/stem separation)
- Return to Mode 4

Week of March 21



Turbine Bypass Valve

•Accomplishments

- Root Cause Team Assessment (Problem-solving and Decision-making) on Feedwater (FW) Valve 780
- March 23 - Repaired FW Valve 780
- Restart Readiness Meeting
- March 26 - entered Mode 1
- March 27 - Turbine synchronized to grid

•Challenges

- Reworked Turbine Bypass Valves

Week of March 28

•Accomplishments

- Effectiveness assessment and readiness review prior to 100%
- Nuclear Instruments and Reactor Protection System calibrations
- Maintained plant chemistry within limits (iron and silica)
- INPO Visits
 - Site Pre-visit
 - Simulator Observation
 - AFW Assist Visit



Reactor Engineers monitor reactivity

•Challenges

- Integrated Control System Response
- Nuclear Instrument Gain Adjustments

Week of April 4



April 4, 2004
Davis-Besse at 100% power
(~ 900 MWE)

•Accomplishments

- Nuclear Instruments and Reactor Protection System calibrations and adjustments
- Maintained plant chemistry within limits (iron and silica)

•Challenges

- D2 Normal Supply Breaker

Conclusion

FENOC Objectives

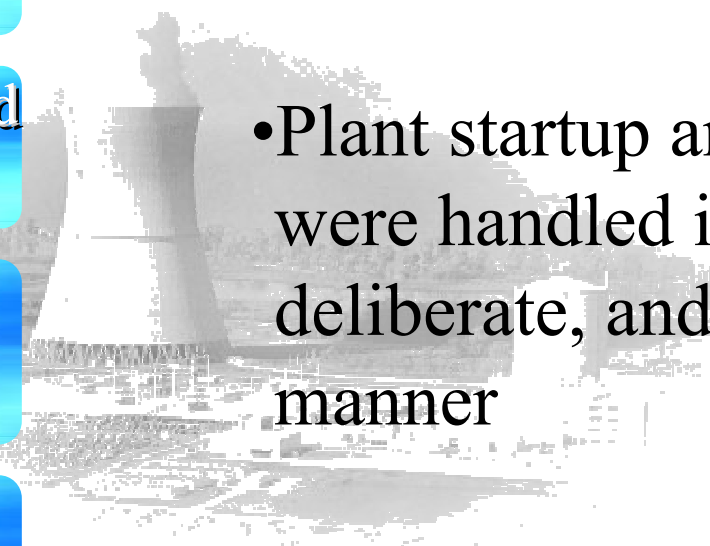
Safe Plant Operations

People Development and
Effectiveness

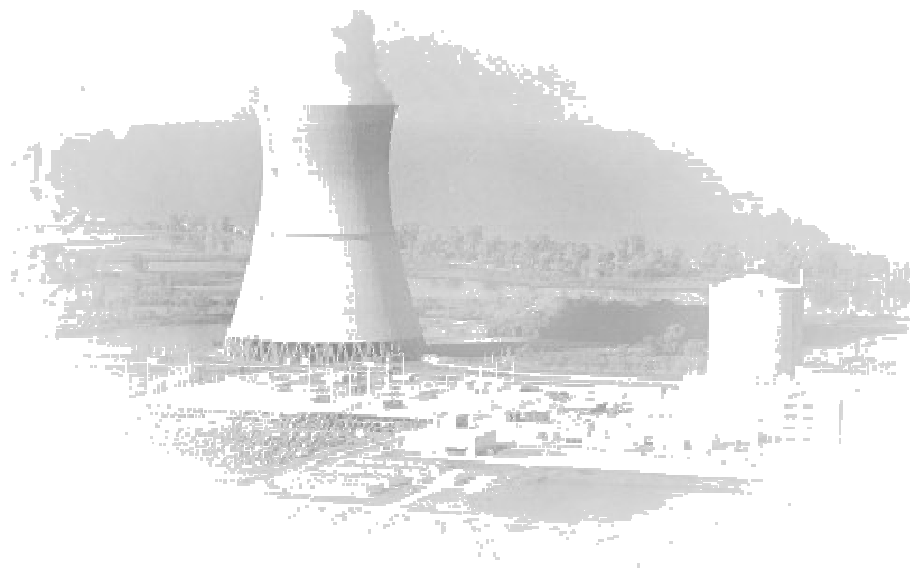
Improved Outage
Performance

Excellent Materiel
Condition

Fleet Efficiency and
Effectiveness

- 
- Plant startup and challenges were handled in a safe, deliberate, and conservative manner

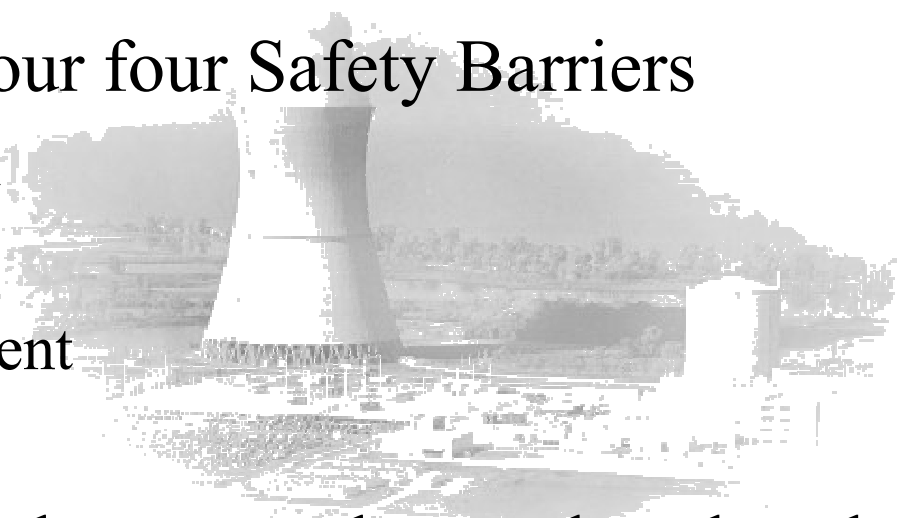
Operational Improvement Plan and Confirmatory Order



Clark Price
Manager - Business Services

Cycle 14 Operational Improvement Plan

- Continuation of the Management & Human Performance Improvement Plan
- Focuses on our four Safety Barriers
 - Individual
 - Programs
 - Management
 - Oversight
- Serves to further strengthen and anchor the lessons learned and the corrective actions taken



Cycle 14 Operational Improvement Plan

- 
- A faded, grayscale background image of a person wearing a hard hat and safety vest, standing in an industrial setting.
- 10 Improvement Initiatives
 - 88 Individual Key Actions
 - Performance Indicators designed to monitor our performance in the four Safety Barriers

Monthly Management Review Meetings

- Attendees
 - Senior Leadership Team
 - Site Managers
 - Other owners of key actions
- Cycle 14 Operational Improvement Plan
 - Key Initiative Action Plans
 - Safety Barrier Performance Indicators
- Integrated Restart Report Commitments
 - Action Plans
- Safety Culture Monitoring Business Practice

Actions for Continuous Improvement

- Integrated Restart Report dated November 23, 2003
& Supplement to report dated February 6, 2004
 - Appendix A Commitments 36
 - Closed to date 11
- Cycle 14 Operational Improvement Plan
 - Appendix D Commitments 94
 - Closed to date 29
- Confirmatory Order
 - Commitments 6
 - Closed to date 0

Operational Improvement Plan

1st Quarter Accomplishments

- Completed several Operations improvement actions
- Developed Forced Outage Schedule template
- Completed SCWE training to expanded population
- Completed SCWE refresher training for supervisors
- Completed qualification of Apparent Cause Evaluators
- Completed Apparent Cause Training to Managers

Operational Improvement Plan

2nd Quarter Highlights

- Improvements to the Management Observation Program
- Benchmark Conduct of Operations
- Improvements in Work Management processes
- Develop plans
 - Improve safety margins for the Top 10 Risk Significant Systems
 - Reduce and maintain Engineering backlogs
 - Reduce Condition Report and Corrective Action backlogs
- Effectiveness assessment of corrective actions taken in response to November 2003 SCWE survey (May)

Confirmatory Order Requirements

(March 8, 2004)

- Independent annual assessments for 5 years
- Written plan due to NRC 90 days prior to assessment
- Assessment report due to NRC within 45 days of completion
- Mid-cycle inspection of Reactor Pressure Vessel upper and lower head, penetrations, and Control Rod Drive mechanism flanges

Confirmatory Order Action Plan

(March 8, 2004)

- Clark Price - Project Manager
- Fred von Ahn, FENOC Vice-President of Oversight - Executive Sponsor
- Developing a Business Practice to manage the process
- Approach and Team Composition
- Tentative Independent Assessments for 2004
 - Operations Performance (August)
 - Corrective Action Program Implementation (September)
 - Engineering Program Effectiveness (October)
 - Organizational Safety Culture, including SCWE (November)

Closing Comments

FENOC Vision:

*People with a strong safety focus
delivering top fleet operating performance*

Lew Myers

Chief Operating Officer - FENOC

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